

Investigation of Reduction Process  
in Ore Bed

77442  
SOV/133-60-1-3/30

The authors arrived at the following conclusions: (1) They showed the possibility of a quantitative evaluation of summary speed of reduction process in the layer by the averaged characteristics of accumulation of gas products, obtained experimentally under conditions close to industrial conditions (see Fig. 7). (2) The developed method of experimental study of ore reduction in the immobile layer permits analytical calculation of the process in counter flow, with the determination of its intensity, the required height of the layer, and other characteristics of reduction work of gas in the ore bed (see Fig. (8), (3) An experimental check of calculated data of reduction in the counter flow of ore and gas confirmed the high intensity of reduction in the layer at moderate temperatures and showed that the error of calculations does not exceed 10%. (4) A further investigation of the reduction process at higher temperatures is required (taking into account the reaction of reducing carbon dioxide by carbon of the coke).

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SOV/133-60-1-3/30

There are 12 figures; 1 table; and 6 references, 5  
Soviet, 1 U.S. The U.S. reference is: W. Wetherill,  
C. Furnas, Industrial and Engineering Chemistry, 1934,  
Vol 26, Nr 9.

ASSOCIATION: All-Union Scientific Research Institute of Metallur-  
gical Technology (VNIIMT)

Card 11/11

TIMOFEEV, V.N.; L'VOV, D.P..

Determining the dew point of exhaust gases containing sulfuric anhydride. TSvet.met. 33 no.5:38-43 My '60.  
(MIRA 13:7)

(Metallurgical furnaces)  
(Combustion gases)

TIMOFEEV, V. N., MALKIN, V. M. and SKLYAR, F.R.

"Theory of designing regenerative heat-exchangers."

Report presented at the 1st All-Union Conference on Heat- and Mass- Exchange,  
Minsk, BSSR, 5-9 June 1961

TIME OF V.I.

Report presented at the Conference on Heat and Transfer.  
Khabarovsk, USSR, 5-15 June 61.

PH-2092  
54

253. S. I. Slobod', T. I. Perel'man, Discussion of Contact Problems of the Presence of Recombination
254. T. I. Perel'man, On Heat Transfer in Laminar Flow in the Siles Pipe of a Pipe
255. I. G. Ruzov, Solution of Some Problems with Free Convection by Operational Technique
256. L. M. Sosulin, Numerical Solution of Some Problems of Motion of a Liquid with Variable Viscosity
257. S. I. Slobod', On Conformal Transformation of Radiation Fields in Vacuu
258. N. A. Sazanovich, Calculation of Heating of Permeable Bodies According to Temperature Criterion
259. I. R. Mikh, Possibility of Optimal Radiating Volume
260. V. N. Filippov, V. M. Malin, F. A. Sklyar, Theory of Propagation of Heat Exchange Between
261. E. I. Butenko, On Calculation Method of Heat Transfer Through the Layer of Glass or the Reaching State of One of Heat Reservoirs
262. A. V. Kondratenko, N. A. Zaslavskiy, V. M. Kalugin, Regularities of Heating of the Slab with Sharp Edges in Radiation and Convection
263. G. I. Barenblatt, Regularities and Some Results of Thermal Treatment Investigations of Polydispersed Industrial Particles
264. I. S. Klimontchuk, Heat and Mass Transfer in Wind Pipe and Forced Convection
265. M. V. Iapina, Heat and Mass Transfer at Turbulent Flow of Gas over Pipe, the Gas as Foreign Substance Supply
266. A. S. Gulyayev, Z. P. Sosulin, Influence of Non-uniform Current Structure on Heat Transfer Rate of Adiabatic Condensers  
~~and water~~
267. A. A. Gulyayev, On the Heat and Mass Transfer Theory at Convective Motion of Fluids
268. V. I. Subbotin, N. N. Demchenko, B. I. Kostylev, Measurement of Turbulent Fluctuations in a Wind Pipe
269. A. A. Pecherskiy, On the Theory of Fusion and Deterioration of a Body (The Stephan Problem)

TIMOFEEV, V.N. (Leningrad)

Investigating causes for the negative effect of the oxygen contained in the base metal on the mechanical properties of joints in copper. Avtom svar. 14 no.10:30-38 0 '61. (MIRA 14-9)  
(Copper—Oxygen content)  
(Welding—Testing)

TIMOFEYEV, V.N., kand. tekhn. nauk, dotsent; VINOGRADOV, V.S., inzh.

Residual stresses in the surface layer of steel parts machined  
on lathes. Trudy GPI 17 no.4:69-74 '61. (MIRA 16:12)

SULOYEV, A.I.; TIMOFEYEV, V.N.; KOVALEV, L.V. [deceased]; YAKOVLEV, P.D.;  
APOLLONOVA, G.N.; SMIRNOVA, Z.A., red.izd-va; GUROVA, O.A.,  
tekhn.red.

[Geology, igneous activity, and development of the Pre-Cambrian  
fold massif in the northeastern part of the Eastern Sayan  
Mountains] Geologicheskoe stroenie, magmatizm i istorija  
razvitiia severovostochnoi chasti Vostochno-Sajanskogo  
dokembriiskogo skladchatogo massiva. Moskva, Gos.nauchno-  
tekhn.izd-vo lit-ry po geol.i okhrane nedr, 1962. 153 p.  
(Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut  
mineral'nogo syr'ia. Trudy, no.8). (MIRA 16:2)  
(Sayan Mountains--Geology)

ACCESSION NR: AR<sup>b</sup>014419

S/0124/64/000/001/3097/3097

SOURCE: RZh. Mekhanika, Abs. 1B628

AUTHOR: Babushkin, N. M.; Timofeyev, V. N.

TITLE: The analysis of fuel combustion within the layer of sintering charge

CITED SOURCE: Sb. nauchn. tr. Vses. n.-i. in-ta metallurg. teplotekhn., no. 7, 1962, 3-16

TOPIC TAGS: combustion, sintering charge, agglomeration combustion

TRANSLATION: The author shows that in comparison with fuel combustion within a general layer, the combustion within a layer of sintering charge exhibits some peculiarities. The charge consists basically of the totality of "inert" material particles within which the fuel particles are distributed more or less uniformly (they represent ~3-7 weight % or ~8-12 volume %). With the burning out of hydrogen the fuel particles decrease in size without producing an ash layer, and since their size is actually half as small as the particles of ore, very favorable conditions result for the access of oxygen to the reaction surfaces.

Since the particles of the charge have a considerable heat capacity and low

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resistance, the heat exchange between the gas (air) and the sinter occurs almost completely at a very low height. This fact guarantees a high degree of heat regeneration, limits the height of the combustion zone, and leads to the presence of surplus oxygen within the layer of the sintering charge. The process is also characterized by the presence of the oxygen from iron oxides (and from manganese oxides during the sintering of manganese ores), and by the enrichment of the combustion products by carbon dioxide from the decomposition of carbonates within the charge.

The author derived an equation for the combustion speed of individual fuel particles (the speed of decrease of the dimensionless diameter)  $dx/d\tau$

$$\frac{dx}{d\tau} = - k \beta R O_2 \quad (1)$$

where  $k$  - a certain quantity which is constant for the given conditions,  $\beta$  - stoichiometric factor,  $R$  - the velocity constant of the reaction, and  $O_2$  - the oxygen concentration within the flow. Since the combustion process does not occur throughout the entire volume but only within a relatively narrow reaction zone which is moving constantly in the direction of the air (gaseous) flow and within which the composition of the gaseous phase is changing continuously across the height of the combustion zone, the author derived a relation for the oxygen concentration within the reaction zone. Together with Equation (1), it represents the kinetic combustion conditions. Equations derived for the gas production within the layer of the

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sintering charge allow the analysis of the combustion process under various conditions of its organization, and they can be also used during the design of complex system for the automatic control of sintering devices. Yu. V. Polezhayev.

DATE ACQ: 18Feb64

SUB CODE: PL, ML

ENCL: 00

Card 3/3

MALKIN, V. M.; TIMOFEEV, V. N.; SHKLYAR, F. R.

Temperature field of a plate during the regenerative heat exchange process. Sbor. nauch. trud. VNIIMT no. 8:5-15 '62.  
(MIRA 16:1)

(Heat—Transmission)

TIMOFEEV, V. N.; MALKIN, V. M.; SHKLYAR, F. R.

Theory of regenerative heat exchanger design. Sbor. nauch.  
trud. VNIIMT no.8:16-32 '62. (MIRA 16:1)

(Heat exchangers—Design and construction)

MALKIN, V. M.; TIMOFEEV, V. N.; SHKLYAR, F. R.

Developing methods for the calculation of regenerative heat  
exchangers. Sbor. nauch. trud. VNIIMT no.8:41-67 '62.  
(MIRA 16:1)

{Heat—Transmission)  
(Heat regenerators)

TIMOFEEV, V. N.; KASHTANOVA, S. P.; Prinimali uchastiye: KUZNETSOVA,  
L. M., inzh.; GERASIMOV, G. I., laborant; CHERNIKOVA, P. I.,  
laborant

Investigating coefficients of heat transfer by convection and  
of the hydraulic resistance of new checkerwork shapes in blast  
furnace air preheaters. Sbor. nauch. trud. VNIIMT no. 8:68-105  
'62. (MIRA 16:1)

(Blast furnaces) (Heat-Convection)  
(Fluid mechanics)

SHKLYAR, F. R.; TIMOFEYEV, V. N.; Prinimali uchastiye: PAKHALUYEV,  
K. M., inzh.; KOROLEV, N. M., inzh.; CHEREMNYKH, V. I.,  
laborant; GERASIMOV, G. I., laborant; ROMANTSEVA, E. P.,  
laborant; RUZHENTSEVA, T. M., laborant

Experimental investigation of the regenerative heat exchange  
process. Sbor. nauch. trud. VNIIMT no.8:119-136 '62.  
(MIRA 16:1)

(Air preheaters—Testing)  
(Heat—Transmission)

SHKLYAR, F. R.; TIMOFEEV, V. N.; MALKIN, V. M.

Experimental investigation of heat exchange coefficients during the regenerative heat exchange process. Sbor. nauch. trud. VNIIIMT no.8:162-177 '62. (MIRA 16:1)

(Heat regenerators—Testing)  
(Heat—Transmission)

TIMOFEYEV, V. N.; SHKLYAR, F. R.; KASHTANOVA, S. P.; MALKIN, V. M.

Methods of calculating heat regenerators for industrial  
furnaces. Sbor. nauch. trud. VNIIMT no.8:197-228 '62.  
(MIRA 16:1)

(Heat regenerators)

SHKLYAR, F. R.; TIMOFEEV, V. N.; MALKIN, V. M.

Methods of calculating blast furnace air preheaters. Sbor.  
nauch. trud. VNIIMT no.8:229-245 '62. (MIRA 16:1)

(Blast furnaces) (Air preheaters)

SHKLYAR, F. R.; TIMOFEEV, V. N.; MALKIN, V. M.

Selecting optima thermal rates for air preheater operations.  
Sbor. nauch. trud. VNIIIMT no.8:278-288 '62.

(MIRA 16:1)

(Air preheaters)

TIMOFEYEV, V. N.; KASHTANOVA, S. P.

Technical and economic comparison of new types of checkerwork  
for blast furnace air preheaters. Sbor. nauch. trud. VNIIIMT  
no.8:289-301 '62.  
(MIRA 16:1)

(Blast furnaces) (Air preheaters)

TIMOFEEV, V. N.; SHKLYAR, F. R.; PALTUSOVA, K. I.; Prinimali uchastiye:  
PAKHALUYEV, K. M., inzh.; IZMAYLOV, O. A., inzh.; BHUSOVITIN,  
A. M., inzh.; GORDEYEV, S. V., inzh.; BUZHENTSEVA, T. M.,  
laborant; GERASIMOV, G. I., laborant

Aerodynamics of blast furnace air preheaters. Sbor. nauch.  
trud. VNIIMT no.8:302-347 '62. (MIRA 16:1)

(Blast furnaces)  
(Air preheaters—Aerodynamics)

TIMOFEEV, V. N.; SHKLYAR, F. R.; PALTUSOVA, K. I.

Effect of the height of dividing walls on the aerodynamics  
of blast furnace air preheaters. Sbor. nauch. trud. VNIIMT  
no.8:348-359 '62. (MIRA 16:1)

(Blast furnaces—Design and construction)  
(Air preheaters—Aerodynamics)

TIMOFEEV, V. N.; PALTUSOVA, K. I.; IZMAYLOV, O. A.; SHKLYAR, F. R.

Investigating the aerodynamics of a smoke flue in blast  
furnace air preheaters. Sbor. nauch. trud. VNIIIMT no. 8:360-372  
'62. (MIRA 16:1)

(Blast furnaces) (Flues—Aerodynamics)

KASHTANOVA, S. P.; TIMOFEEV, V. N.; KITAYEV, B. I.

Heat transfer coefficients from regenerative checkers. Sbor.  
nauch. trud. VNIIMT no.8:373-390 '62. (MIRA 16:1)

(Heat regenerators)  
(Heat—Convection)

KASHTANOVA, S. P.; TIMOFEYEV, V. N.

Hydraulic characteristics of regenerative checkers. Sbor.  
nauch. trud. VNIIMT no.8:391-395 '62. (MIRA 16:1)

(Heat regenerators) (Fluid mechanics)

ACCESSION NR: AR3006261

S/0124/63/000/007/B094/B094

SOURCE: RZh. Mekhanika, Abs. 7B553.

AUTHOR: Timofeyev, V. N., Fevraleva, I. A.

TITLE: Heat transfer of a plate and rectangular parallelopipeds with transverse and longitudinal streamline gas flow

CITED SOURCE: Sb. nauchn. tr. Vses. n.-i, in-t metallurg. teplotekhn., no. 8, 1962, 396-430

TOPIC TAGS: heat transfer, streamline flow, parallelepiped

TRANSLATION: The authors determined the convective heat transfer coefficients for a plate and parallelopiped during the alteration of their orientation in a gas flow and on a support surface. They considered the heat transfer of the plate in a uniform flow at various angles of attack and the heat transfer of the parallelopiped by itself and in a cluster. The heat transfer of the plate in longitudinal fluid flow was studied with a variation of the flow rate of up to 240 m/sec. The heat transfer of the parallelopiped was examined in a plane, with a single object, and with four to eight unheated samples. There is a description of the setup, which

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consisted of an aerodynamic pipe 0.50 X 0.48 m in cross-section and 3.50 m long. On the basis of their experiments, the authors found the values of n and c in the equation  $N = cR^n$  for the geometric schemes considered with variations in the Reynolds number R from  $2.5 \cdot 10^3$  to  $8.5 \cdot 10^4$ . K. K. Vasilevskiy.

DATE ACQ: 08Aug63

SUB CODE: PH, MD

ENCL:00

Card 2/2

TIMOFEEV, V. N.; FEVRALEVA, I. A.; VAVILOVA, M. A.; Prinimali uchastiye:  
GERASIMOV, G. I., laborant; RUZHENTSEVA, T. M., laborant;  
CHEKMAIEVA, L. A., laborant; YASAKOVA, T. M., laborant

Investigating convective heat transfer to plates in a flow  
of gases. Sbor. nauch. trud. VNIIMT no.8:431-453 '62.  
(MIRA 16:1)

(Heat--Convection) (Gas flow)

TIMOFEEV, V. N.; FEVRALEVA, I. A.; VAVILOVA, M. A.

Convective heat transfer to plates from a gas flow out of  
burner nozzles. Sbor. nauch. trud. VNIIIMT no. 8:454-471 '62.  
(MIRA 16:1)

(Heat—Convection) (Gas flow)

TIMOFEYEV, V. N.

Heat exchange in a layer of lump materials. Sbor. nauch. trud.  
VNIIIMT no.8:472-494 '62. (MIRA 16:1)

(Heat—Transmission)  
(Metallurgical furnaces)

TIMOFEEV, V.N. (Leningrad)

Investigating the effect of welding conditions on the mechanical properties of welded joints in oxygen-bearing copper. Avtom.svar. 15 no.10:32-36 O '62. (MIRA 15:11)  
(Copper--Welding)

SHENDEROVICH, I.M.; KIFBAN, L.S.; TIMOFEEV, V.N.

The GM-30 tsunami signalling apparatus. Trudy MIRGP n. 11104-113 '63.  
(MIRA 18-1)

KONDRAHENKO, A.P., kand.tekhn.nauk, dotsent; TIMOFEEV, V.N., inzhener.

Selecting an economically efficient plan of a stepped increase  
of the traffic capacity of railroads with the aid of electronic  
digital computers. Trudy MIIT no.181:21-42 '64.

(MIRA 18:1)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720011-2

SOVIET AERONAUTICS BRAVE SVARKA, POB. 4, 1955 33-37

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720011-2"

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720011-2

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755720011-2"

LAZAREV, B.L.; BOKOVIKOV, B.A.; BABUSHKIN, N.M.; TIMOFEYEV, V.N.;  
CHERVOTKIN, V.V.; PRIVALOV, S.I.

Heat exchange and reduction in the stack of a furnace operating  
on 100% fluxed sinter. Stal' 25 no.6:487-492 Je '65.

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Vsesoyuznyy  
nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki.  
(MIRA 18:6)

ACC NR: AP6030962

SOURCE CODE: UR/0181/66/008/009/2643/2648  
41  
42AUTHOR: Dianov, Ye. M.; Timofeyev, V. N.; Irisova, N. A.ORG: Physics Institute im. P. N. Lebedev, AN SSSR, Moscow (Fizicheskiy institut AN  
SSSR)

TITLE: Measurement of the absorption coefficient of glasses in the submillimeter range

SOURCE: Fizika tverdogo tela, v. 8, no. 9, 1966, 2643-2648

TOPIC TAGS: absorption coefficient, glass property, refractive index

ABSTRACT: The absorption coefficient of two types of glass (window and type 203) was measured in the 2-0.5 mm range using a monochromatic radiation source. The device employed is described in detail. The findings are compared with those of M. D. Mashkovich and A. I. Demeshina (FTT, 7, 1634, 1965), obtained by using nonmonochromatic radiation, and with other published data. A monotonic increase of the absorption coefficient with decreasing wavelength was observed. The temperature dependence of the absorption of the glasses and of their refractive index was determined; the absorption coefficients were found to decrease linearly by a factor of approximately 2 as the samples were cooled from room to nitrogen temperature. Authors thank M. D. Mashkovich for kindly supplying the glass samples, A. M. Prokhorov for his attention

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L 06266-67

ACC NR: AP6030962

and interest in the work, and Ye. A. Vinogradov for his assistance. Orig. art. has:  
5 figures.

SUB CODE: 20// SUBM DATE: 22Jan66/ ORIG REF: 008

Card 2/2 *Left*

TIMOFEEV, V.N.

Positive quadratic forms representing the same numbers. Usp. mat. nauk  
18 no.4:191-193 Jl-Ag '63. (MIRA 16:9)

TIMOFEEV, V.N., kand.tekhn.nank; VTOHYKH, G.T., inzh.; SEROV, S.I., inzh.  
SAVEL'YEV, V.A., inzh.

Semiautomatic production line for the manufacture of panel doors.  
Der.prom. 9 no.12:17-19 D '60. (MIRA 13:12)  
(Assembly-line methods) (Doors)

TIMOFEEV, V. M.

PA 19T14

USSR/Radio Transmitters  
Radio Waves - HF

Jun/Jul 1946

"Stability and Selection of the Power Stage of Short Wave Transmitters," Engrs  
Z.V. Topuria, V. M. Timofeev, 15 pp

"Radiotekhnika" Vol I, No 3/4

Discussion of the impossibility of neutralization of high power tubes in a band  
of frequencies without changing the parameters of the circuit and without active  
reaction on the exciter stage. Means of obtaining stability of the more simple  
circuits or power stages are outlined.

TIMOFEYEV, V. N.

CUTTING MACHINES

Relationship between the angles of the tooth of a milling cutter. Stan.i instr.  
23 No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1953, 2Uncl.

TIMOFEEV, V.N.

Work organization in a track section. Put' i put.khoz. 4 no.11:  
11-12 N '60.  
(MIRA 13:12)

1. Dorozhnyy master, st. Reshetnikovo, Oktyabr'skoy dorogi.  
(Railroads---Maintenance and repair)

"Maintenance fellings in the forests of the Moscow oblast," Razvitiye rus. lesovedstva,  
Issue 1, 1948, p. 18-224 - Bibliog: 30 items

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

TIMOFEEV, V. P.

Timofeyev, V. P. "The harvest of seeds in hardwood groves of the forestry experimental farm of the Agriculture Academy imeni K. A. Timiryazev", Doklady (Mosk. s.-kh. akad. im. Timiryazeva), Issue 8, 1948, (In index: 1949), p. 69-72.

SO: U-411, 17 July 53, (Letopis' Zhurnal 'nykh Statey, No. 20, 1949).

TIMOFEEV, V. P.

27854. Timofeyev, V. P. Listvennitsa dlya polezashchitnogo. Lesorazvedeniya  
les i step', 1949, No. 1 s. 22-31.

SO: Letopis' Zhurnal' Satey, Vol. 37, 1949

TIMOFEEV, V. P.

Windbreaks, Shelterbelts, Etc.

National practice in shelterbelt forestry. Nauch. vop. zelenashch. les. no. 1, 1951.

9. Monthly List of Russian Accessions, Library of Congress, July 1958. Unclassified.  
2

1. TIMOFEYEV, V. P., (Prof.)
2. USSR (600)
4. Larch
7. Effect of stand density on the growth of larch, Les i step' 5 No. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953. Uncl.

TIMOFEEV V.P.

KOLPIKOV, M.V.; NESTEROV, V.G., professor, retsenzent; RUDNITSKIY, I.N.,  
retsenzent; TIMOFEEV, V.P., redaktor; ARNOL'DOVA, K.S., redaktor;  
KARASIK, N.P., tekhnicheskij redaktor

[Forestry and dendrology] Lesovedstvo s dendrologiei. Izd. 3.,  
dop. i perer. Moskva, Goslesbumizdat, 1954. 495 p. (MLRA 7:10)  
(Trees) (Forests and forestry)

TIMOFEEV, V. P.

V. P. Timofeev and N. P. Dylis. Iesovodstvo, Sel'khozgiz, 35 sheets

Brief discussion of morphology and physiology of the arboreal species, detailed description of the several species. The following subjects from the forestry course are also covered; concept of the forest; the forest and the environment; the renewal of the forest ; technique and organization of tree felling; clearing the sites after felling; secondary uses of the forest.

Intended for students of technical schools of agriculture.

SO: U-6472, 12 Nov 1954

TIMOFEEV, V.P., redaktor

[Experience in the regeneration of unproductive forests in Moscow Province] Opyt rekonstruktsii malotsennykh lesov Moskovskoi oblasti. Moskva, Goslesbumizdat, 1955. 55 p. (MIRA 10:3)

1. Moskovskoye nauchno-tekhnicheskoye obshchestvo sel'skogo i lesnogo khozyaystva.  
(Moscow Province--Forests and forestry)

TIMOFEYEV, V.P., professor, redaktor; MUKIN, A.F., redaktor; SVETLAYEVA, A.S., redaktor izdatel'stva; BACHURINA, A.M., tekhnicheskiy redaktor

[Forestry practices in Moscow Province] Opyt lesorazvedeniia v Moskovskoi oblasti. Pod obshchei red. V.P. Timofeeva. Moskva, Goslesbumizdat, 1956. 49 p. (MLRA 10:5)

1. Moskovskoye oblastnoye nauchno-tehnicheskoye obshchestvo sel'skogo i lesnogo khozyaistva.  
(Moscow Province--Forests and forestry)

TIMOFEEV, Vladimir Petrovich; TISHCHENKOV, Ivan Antonovich; TSEPLYAYEV,  
Vasiliy Petrovich; SHIMEV, Ivan Semenovich; ZHUKOV, A.B., red.;  
SHAKHOVA, L.I., red.izd-va; BRATISHKO, L.V., tekhn.red.

[Forestry in Great Britain] Lesnoe khozaiistvo Velikobritanii.  
Moskva, Goslesbumizdat, 1957. 53 p. (MIRA 11:1)  
(Great Britain--Forests and forestry)

TIMOFEEV, V.P., prof.

Effect of soil conditions on windfall [with summary in English].  
Inv. TSKhA no.6:125-146 '57. (MIHA 11:3)

1. Direktor Opytnoy stantsii lesovedstva Timiryazevskoy sel'sko-khozyaystvennoy akademii.  
(Forest soils) (Trees--Wounds and injuries)

USSR/Forestry - General Problems.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15342

Author : V.P. Timofeyev

Inst Title : The Causes of the Drying Out of the Coniferous Forests  
in the Locality Around Moscow and Measures Taken to  
Restore Them.  
(Prichiny usykhaniya khvoynych lesov Podmoskov'ya i  
meropriyatiya po ikh vosstanovleniyu).

Orig Pub : Dokl. Mosk. s. kh akad. im. K.A. Timiryazeva, 1957,  
vyp. 29, 292-299

Abstract : In the woods of Moscow Oblast', particularly about the  
suburbs and industrial centers a large-scale replace-  
ment has been observed of tall trunk coniferous and  
hard leaved trees by the short-trunked and soft leaved  
ones, together with the desiccation of the coniferous  
spruce and pine overmature, ripe and premature tree

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USSR/Forestry - General Problems.

K.

Abs JOur : Ref Zhur - Biol., No 4, 1958, 15342

population. The most pronounced indication of deterioration in the conditions of conifer growth comes from the trees' incomplete needle formation. The pine then has needles for one or two years instead of the normal three, and the spruce has two and four year needles in lieu of seven years. The mass of annual loss has been increasing to 30-40 cubic meters per hectare (in the Iamaylovskoye Forest Range). The forests are seriously injured by consolidation of the soil, the destruction of undergrowth and heightening of the ground water levels. The sturdiest and most productive conifers are the Sukacheva (*Larix Sukaczewii* Djil.), Siberian and European larches. On sod-podzolic light sandy loams and clayey soils pine and spruce are best grown are drought and frost hardy, are resistant to fog and smoke, disease and insects. On sands and swamping soils larch grows more poorly than pine. The sturdiest among the deciduous trees are oak,

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USSR/Forestry - General Problems.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 153<sup>42</sup>

birch, linden, maple and a lot of shrubs.  
Composite and mixed plantings exhibit the greatest de-  
gree of hardiness.

Card 3/3

USSR / Forestry. Forest Crops.

K-5

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72828.

Author : Timofeyev, V. P.

Inst : Moscow Agricultural Academy imeni K. A. Timiryazev.

Title : The Influence of Density of Plantations on Their Productivity.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva,  
1957, vyp, 31, 280-290.

**Abstract:** The high productivity is indicated of sparse timber stands of larch in the Lindulov Grove of Leningradskaya Oblast, in the Andreyev Leskhoz of Smolenskaya Oblast (mixed with fir), in the Forest Experimental Resort of the Timiryazev Agricultural Academy (with a mixture of other species). Cruising indicators and photographs of the plantations are cited. Oak and fir plantations created by sparse

Card 1/2

USSR / Forestry. Forest Crops.

K-5

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72828.

**Abstract:** plantings are termed highly productive. Five-year larches, cultivated in a special experiment with planting of 4-100 specimens per  $4\text{ m}^2$ , show the best growth in a sparse stand. It is indicated that in the worst forest-plant conditions, dense seedlings and plantings are expedient. In the best forest-plant conditions, seedlings and plantings of the main species can be relatively sparse. In estimating timber stand, improvement and full use of wood planting must be dense or of average density, which increases the general productivity and reduces the period of cultivation. -- V. I. Klimov.

Card 2/2

33

TEMREYEV, V.P., prof.

Productivity of forests with various heights of vegetation. [with  
summary in English]. Izv. TSKhA no.5:43-58 '58. (MIRA 11:11)

1. Direktor Opytnoy stantsii lesovedstva Timiryazevskoy sel'skokhoz-  
yaystvennoy akademii.  
(Forests and forestry)

TIMOFEEV, V.P., doktor sel'skokhozyaystvennykh nauk, prof.

Growing larch in plantations of various density. Izv. TSKhA  
no.2:123-140 '59.  
(Larch) (Plants, Space arrangement of)

TIMOFEEV, V.P., prof., doktor sol'skokhozyaystvennykh nauk

Structure of the most productive plantations of larch. Izv.  
TSKhA no.6:129-142 '59. (MIRA 13:6)  
(Larch)

POPOV, Vasiliy Vasil'yevich; TIMOFEEV, V.P., prof., doktor sel'skokhoz. nauk, otv.red.; FORTUNATOV, I.K., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Scientific principles underlying the raising of broadleaf forests in the northern forest steppe] Nauchnye osnovy vyrashchivaniia shirokolistvennykh nasazhdenii v severnoi lesostepi. Moskva, Izd-vo Akad.nauk SSSR, 1960. 316 p. (MIRA 13:5)

(Afforestation)

TIMOFEEV, V.P., doktor sel'skokhozyaystvennykh nauk, professor

Seed yields in larch plantations of the forest tract of the  
Timiriazev Agricultural Academy. Izv. TSKhA no.3:152-164 '60.  
(MIRA 14:4)

(Larch)

TIMOFEEV, V.P., doktor sel'skokhozyaystvennykh nauk, prof.

Forest planting on the "Mummovskoe" Training Farm [with summary  
in English]. Izv. TSKhA no.5:75-85 '60. (MIRA 13:11)  
(Afforestation)

DINESMAN, Lev Georgiyevich; TIMOFEEV, V.P., doktor sel'skokhoz.nauk,  
prof., otd.red.; NIKITINA, O.G., red.izd-va; ASTAF'YEVA, G.A.,  
tekhn.red.

[Effect of wild mammals on the formation of tree stands] Vli-  
ianie dikikh mlekopitaiushchikh na formirovanie drevostoev.  
Moskva, Izd-vo Akad.nauk SSSR, 1961. 164 p.

(MIRA 14:6)

(Forests and forestry) (Mammals)

~~TIMOFEEV, Vladimir Petrovich; SUKACHEV, V.N., akademik, otv.red.;  
TIKHOMIROVA, Ye.V., red.izd-va; SUSHKOVA, L.A., tekhn.red.~~

[Role of larch in increasing the productivity of forests;  
on the 100th anniversary of the Forestry Experiment Station  
of the Timiriazev Agricultural Academy] Rol' listvennitsy  
v podniatii produktivnosti lesov; k 100-letiiu lesnoi opytnoi  
dachi Moskovskoi ordena Lenina sel'skokhoziaistvennoi akademii  
im. K.A.Timiriazeva. Moskva, Izd-vo Akad.nauk SSSR, 1961.  
158 p.

(MIRA 14:4)

(Larch)

TIMOFEEV, Vladimir Petrovich, zasl. deyatel' nauki RSFSR, doktor  
sel'khoz. nauk, prof.; YURRE, N.A., red.; KRASHEVINKOVA,  
K.M., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Forest thinning and cleaning] Osvetleniia i prochistki. 3.,  
perer. izd. Moskva, Goslesbumizdat, 1961. 65 p.

(MIRA 15:4)

(Forest thinning)

ZHOGIN, I.I. (Shadrinsk); TIMOFEYEV, V.P. (Shadrinsk)

D.I.Mendelev and the Ural Society of Amateur Naturalists.  
Vop.ist.est.i tekh. no.12:176-178 '62. (MIRA 15:4)  
(Mendelev, Dimitrii Ivanovich, 1834-1907)  
(Ural Mountains--Nature study--Societies, etc.)

POLIKARPOV, Nikolay Pavlovich; TIMOFEEV, V.P., prof., doktor sel'skokhoz.  
nauk, otd.red.; LIKHACHEV, A.N., red.izd-va; KYLINA, Yu.V.,  
tekhn.red.

[Development of young pine plantings in clearcut areas] Formi-  
rovaniye sosnovykh molodniakov na kontsentrirovannykh vyrubkakh.  
Moskva, Izd-vo Akad.nauk SSSR, 1962. 171 p.

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TIMOFEEV, V.P., doktor sel'skokhozyaystvennykh nauk, prof.

Role of trees of various growth classes in the formation of  
productive forest plantations. Izv. TSKHA no.2:101-118 '63.

(MIRA 16:10)

1. Direktor Opytnoy stantsii lesovedstva. Moskovskoy ordena  
Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva.

TIMOFEEV, Vladimir Petrovich; LOSITSKIY, A.B., red.

[Nature and plantations of the Experimental Forest Tract of  
the Timiriazev Agricultural Academy during the past 100  
years] Priroda i nasazhdeniia lesnoi opytnoi dachi Timiriazev-  
skoi sel'skokhozyaistvennoi akademii za 100 let. Moskva,  
lesnaia promyshlennost', 1965. 167 p. (MIRA 18:12)

GUSEV, Nikolay Nikolayevich; KITAYEV, Ivan Georgiyevich; YURRE,  
Nil Andreyevich[deceased]; MOLCHANOV, A.A., retsenzent;  
TIMOFEEV, V.P., retsenzent; DUBININ, P.S., red.

[Forestry] Lesovodstvo. Moskva, Lesnaia promyshlennost',  
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TIMOFEEV, V.P., prof.

The most important work results of the Forest Experimental  
Tract of the Academy during the past 16 years, Izv. TSKHA  
no.6:169-190 '63,  
(MIR4 17:8)

1. Zaveduyushchiy lesnyy ogranichennyj dachey Kukurovskoy ordena  
Lenina sel'skokhozyaystvennoy akademii imeni Timiryazeva.

KUSTOV, V.M., inzh.; TIMOFEYEV, V.P., inzh.

Electric lines along the trackside for power supply to track mechanisms. Put' i put.khoz. 6 no.3:6-9 Mr '62. (MIRA 15:3)  
(Railroads--Electric equipment)

SERAFIMOV, L.A.; TIMOFEEV, V.S.; SHUKOVA, M.P.; L'VOV, S.V.

Liquid - vapor phase equilibrium in the system isobutyric anhydride - n-butyraldehyde at atmospheric pressure. Zhur. fiz. khim. 38 no.7:1865-1867 Jl '64.

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SERAFIMOV, L.A.; TIMOFEEV, V.S.; L'VOV, S.V.

Liquid - vapor phase equilibrium in some binary mixtures present  
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I. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
Lomonosova.

SERAFIMOV, L. A.; TIMOFEYEV, V. S.; BALASHOV, M. I.; MEZHEVICH, G. V.

Solubility in the systems isobutyraldehyde - n. butyraldehyde - water - toluene and cyclohexanol - cyclohexanone - cyclohexene - water. Izv. vys. ucheb. zav.; khim. i khim. tekhnol. 5 no.5:722-726 '62. (MIRA 16:1)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova, kafedra tekhnologii osnovnogo organicheskogo sinteza.

(Systems(Chemistry)) (Solubility)

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SERAFIMOV, L.A.; TIMOFEYEV, V.S.; MOZHUKHIN, A.S.; POPOVA, L.M.;  
CHIRIKOVA, Z.P.; TYURIKOV, I.D.

Study and calculation of the rectification process of multicomponent  
mixtures by the separated vapors of the components. Khim. prom. 41  
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TIMOFEEV, V.S., inzh.; LEKHTSIND, A.M., inzh.

New equipment for making reinforced concrete products.  
Biul. tekhn. inform. po stroi. 5 no. 4-8 Ap '59.  
(MIRA 12:8)  
(Conveying machinery) (Concrete slabs)

SELIVANOV, I.I., inzh.; BURGER, A.I., inzh.; IVANOV, A.I., inzh.,  
retsenzent; SHOKOV, A.L., inzh., ratsenzent; TIMOFEEV, V.S.,  
inzh., nauchnyy red.; LEKHITSIND, A.M., inzh., nauchnyy red.;  
KAPLAN, M.Ya., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Building machinery] Stroitel'nye mashiny. Leningrad, Gos.  
izd-vo lit-ry po stroit., arkhit. i stroit.materialeam, 1958.  
310 p.

(Building machinery)

MOZZHUKHIN, A.S.; SERAFIMOV, L.A.; TIMOFEYEV, V.S.; TYURIKOV, I.D.

Apparatus and devices for laboratory rectification. Zav.lab. 29  
no.4:503-505 '63. (MIRA 16:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im.  
M.V.Lomonosova.

(Distillation apparatus)

TIMOFEEV, V.S. (Engineer)

Steam Turbines

Steam bleeding arrangement of 500 Kw turbines and its use. Za ekon.top. 9, no. 5, 1952.

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TIMOFEEV, V.S.

Some problems in lowering construction costs of subways. Transp.  
stroi. 10 no.4:45-47 Ap '60. (MIRA 13:9)

1. Nachal'nik smetnogo otdela Lenmetroproyekta.  
(Subways)

TIMOFEEV, V.S.; SERAFINOV, I.A.; L'VOV, S.V.

Investigating the separation of lubricant aldehydes from  
oxo-synthesis products. Khim. i tekhn. topil. i masel 9 no.7:  
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1. ITKhT im. M.V. Lomonosova.

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71515 TIKHOVYEV, V. P.

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Trudy Vtorogo Vsesoyuz. geogr. s"ezda. T. P.I., 1948, s. 315 - 20.

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TIMOFEEV, V.T.

Atlantic waters in the Arctic Basin. Probl. Arkt. no.2:41-51 '57.  
(MIRA 11:12)

(Arctic Ocean--Hydrology)

TIMOFEYEV, V.T.

Approximate determination of heat balance in waters of the  
Arctic basin. Probl.Arkt. no.4:23-28 '58. (MIRA 11:12)  
(Arctic Ocean--Ocean temperature)

DOLGIN, I.M.; TIMOFEEV, V.T.

Scientific inspection of drifting stations and observatories  
in 1956. Probl.Arkt. no.4:109-110 '58. (MIRA 11:12)  
(Arctic Ocean--Oceanographic research)

1965  
TIMOFEEV, V.T. [deceased]

Interaction of the waters of the Arctic Ocean with the waters of  
the Atlantic and Pacific Oceans. Okeanologiya 3 no.4:569-578 '63.  
(MIRA 16:11)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy  
institut.

TIMOFEEV, V.T.

Flow of the Atlantic water and heat into the Arctic Basin.  
Okeanologija 1 no.3:407-411 '61. (MIRA 16:11)  
1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy  
institut.

TIMOFEEV, V.T.

The "age" of Atlantic waters in the Arctic Basin. Probl.Arkt.  
no.5:27-31 '58. (MIRA 13:5)  
(Arctic Ocean--Temperature) (Arctic regions--Ocean currents)

TIMOFEEV, V.T.

Effect of deep Atlantic waters on the hydrological regime of the  
Laptev Sea. Probl. Arkt. i Antarkt. no.10:27-32 '62.

(MIRA 16:2)

(Deep sea temperature—Atlantic Ocean)  
(Laptev Sea—Oceanography)

TIMOFEEV, Vladimir Timofeyevich; PANOV, Vladimir Vasil'yevich;  
SHPAYKHER, A.O., otv. red.; NEDOZHIVINA, T.G., red.;  
ALEKSEYEV, A.G., tekhn.red.

[Indirect methods for the separation and analysis of water  
masses] Kosvennye metody vydeleniya i analiza vodnykh mass.  
Leningrad, Gidrometeoizdat, 1962. 350 p. (MIRA 15:12)  
(Hydrology)

TIMOFEYEV, V.T.

Effect of deep Atlantic waters on the hydrological regime of the  
Kara Sea. Probl. Sev. no.4:46-58 '61. (MIRA 15:1)  
(Kara Sea--Hydrology)

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Timofeyev, Vladimir Timofeyevich

Vodnyye massy Arkticheskogo basseynya (Water Masses of the Arctic Basin)  
: Leningrad, Gidrometeoizdat, 1960. 190 p. Errata slip inserted.  
3,000 copies printed.

Ed.: Z.I. Mironenko; Tech. Ed.: M.I. Braynina.

PURPOSE: The book is intended for oceanographers, particularly those interested  
in the Arctic Basin area.

COVERAGE: This book gives the characteristics of the vertical and horizontal dis-  
tribution of temperature, salinity, and stability of water masses in the Arctic  
region. The author analyzes the processes of water circulation at various depths,  
attempts to determine the amount of Atlantic waters entering the Arctic Basin  
and the amount of heat introduced thereby, gives calculations of the approximate  
heat balance of all waters of the Arctic Basin, and describes the interaction  
between the waters of the Arctic Ocean and those of the Atlantic and Pacific  
Oceans. The work is based on observational data gathered during numerous

Card 1/4